

REMARKS

This paper is responsive to the final Office action dated December 16, 2009 (the “Office Action”).

Claims 39-41, 57, and 65-71 are pending in the application.

Claims 39-41, 57, and 65-67 are allowed.

Claims 68-71 stand rejected.

The amendments add no new matter. Support for the amendments may be found throughout Applicant’s Specification and Drawings as originally filed, for example on pp. 18-19, among others. Applicant respectfully submits that the pending claims are allowable in view of the following remarks and the above amendments, and respectfully requests reconsideration of the pending rejections.

Allowable Subject Matter

Applicant gratefully acknowledges the continued indication that claims 39-41, 57, and 65-67 are allowed.

Rejection of Claims under 35 U.S.C. §112

Claims 68-71 stand rejected under 35 U.S.C. § 112, second paragraph, as purportedly being failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. In particular, the Office Action expresses a concern regarding support for various “means” that were recited in claim 68.

As suggested on p. 3 of the Office Action, Applicant has amended claim 68 to remove the claim language in question. Applicant notes that the original Application provides support for the amendments, for example on pp. 18-19, which state in part:

The distance between the image 505 of a SLM and the holographic recording material 70 may be varied by varying the focal length of the voxel-control lens 500 or its position between the holographic recording surface 70 and the converging lens 55 or other optical systems, including simple diffusers or HOEs, as shown in FIGS. 1-

3, used in the prior art to converge light onto the holographic recording material 70. In some embodiments, the voxel control lens 500 may be part of the object beam unit 700.

In one particular embodiment of this invention, it is possible to make the voxel sizes fairly constant over a wide range of distances from a holographic recording material 70. This is accomplished by choosing a voxel-control lens 500 with a focal length equal to the distance between the voxel-control lens 500 and the actual location of the SLM or the location of a projected image of the SLM as seen by an elemental hologram in a printer without a voxel-control lens. Such a voxel-control lens 500 and geometrical layout will effectively reconstruct the SLM 120 at an infinite distance relative to holographic recording material 70. If the size of the pixels 95 on a SLM 90 are small compared to the size of the elemental holograms 110, the voxel 140 boundary lines for such an embodiment will no longer intersect close to the holographic recording material 70 as depicted in FIG. 6, but instead become approximately parallel lines which extend out to a great distance without intersecting as shown in FIG. 11.

Specification, p. 18, line 23—p. 19, line 11 (emphasis added).

In view of the amendments removing the claim language in question, Applicant respectfully requests that the rejection under § 112, second paragraph be withdrawn.

CONCLUSION

In view of the amendments and remarks set forth herein, the application and the claims therein are believed to be in condition for allowance and a notice to that effect is solicited. Nonetheless, should any issues remain that might be subject to resolution through a telephonic interview, the Examiner is invited to telephone the undersigned at 512-439-5097.

If any extensions of time under 37 C.F.R. § 1.136(a) are required in order for this submission to be considered timely, Applicant hereby petitions for such extensions. The undersigned hereby authorizes that any fees due for such extensions or any other fee associated with this submission, as specified in 37 C.F.R. §§ 1.16 or 1.17, be charged to deposit account no. 502306.

I hereby certify that this correspondence is being submitted to the U.S. Patent and Trademark Office in accordance with 37 C.F.R. § 1.8 on March 16, 2010 (CT) by being (a) transmitted via the USPTO electronic filing system; or (b) transmitted by facsimile to 571-273-8300; or (c) deposited with the U.S. Postal Service as First Class Mail in an envelope with sufficient postage addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

/ Cyrus F. Bharucha /
Cyrus F. Bharucha

March 16, 2010
Date

Respectfully submitted,

/ Cyrus F. Bharucha /

Cyrus F. Bharucha
Attorney for Applicant
Reg. No. 42,324
512-439-5097
512-439-5099 (fax)